



# MATERIAL SAFETY DATA SHEET

## BENZYL BENZOATE

### Section 1 - Chemical Product and Company Identification

MSDS Name: Benzyl Benzoate

CAS No.: 120-51-4

Details of the supplier:

Manufacturer/Supplier: Wuhan Biet Co., Ltd

Room 1004 Block V, Wuhan Furniture Plaza, Qiaokou District, Wuhan, Hubei, China 430000

For information, call: +86 27 8369 8488

For technical support, call: +86 27 8369 8488

For emergencies in China, call: 112

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
120-51-4	Benzyl Benzoate	>99.0	204-402-9

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

Harmful if swallowed.

Potential Health Effects

**Eye:** Causes eye irritation.

**Skin:**

Causes skin irritation. Prolonged and/or repeated contact may cause irritation and/or dermatitis.



**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.

**Inhalation:** May cause respiratory tract irritation.

**Chronic:** Prolonged or repeated skin contact may cause dermatitis.

## Section 4 - First Aid Measures

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**Skin:**

Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Wash clothing before reuse.

**Ingestion:**

If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Never give anything by mouth to an unconscious person. Get medical aid.

**Inhalation:**

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

## Section 5 - Fire Fighting Measures

**General Information:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas.

**Extinguishing Media:**

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam. Cool containers with flooding quantities of water until well after fire is out.

## Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions. Provide ventilation.



## Section 7 - Handling and Storage

**Handling:**

Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with skin and eyes. Do not ingest or inhale.

**Storage:**

Store in a cool, dry place. Keep container closed when not in use. Keep from contact with oxidizing materials.

## Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:**

Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits CAS# 120-51-4: Personal Protective Equipment Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:**

Wear appropriate protective gloves to prevent skin exposure.

**Clothing:**

Wear appropriate protective clothing to prevent skin exposure.

**Respirators:**

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## Section 9 - Physical and Chemical Properties

**Physical State:** Liquid above room te

**Color:** clear, colorless

**Odor:** None reported.

**pH:** Not available.

**Vapor Pressure:** Not available.

**Viscosity:** Not available.

**Boiling Point:** 323 deg C

**Freezing/Melting Point:** 21 deg C

**Autoignition Temperature:** 481 deg C ( 897.80 deg F)

**Flash Point:** 148 deg C ( 298.40 deg F)

**Explosion Limits, lower:** Not available.

**Explosion Limits, upper:** Not available.

**Decomposition Temperature:** Not available.

**Solubility in water:** Insoluble in water.

**Specific Gravity/Density:** 1.116



**Molecular Formula:** C<sub>14</sub>H<sub>12</sub>O<sub>2</sub>

**Molecular Weight:** 212.0828

## Section 10 - Stability and Reactivity

**Chemical Stability:**

Stable under normal temperatures and pressures.

**Conditions to Avoid:**

Incompatible materials, strong oxidants.

**Incompatibilities with Other Materials:**

Oxidizing agents, acids, and bases.

**Hazardous Decomposition Products:**

Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

**Hazardous Polymerization:** Has not been reported.

## Section 11 - Toxicological Information

**RTECS#:**

CAS# 120-51-4: DG4200000 LD50/LC50:

CAS# 120-51-4: Oral, mouse: LD50 = 1400 uL/kg; Oral, rabbit: LD50 = 1680 mg/kg; Oral, rat: LD50 = 1700 uL/kg; Skin, rabbit: LD50 = 4 gm/kg; Skin, rat: LD50 = 4 mL/kg.

**Carcinogenicity:**

Benzyl Benzoate - Not listed by ACGIH, IARC, or NTP.

**Other:**

See actual entry in RTECS for complete information.

## Section 12 - Ecological Information

## Section 13 - Disposal Considerations

Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice. Empty containers must be decontaminated before returning for recycling.



## Section 14 - Transport Information

IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

## Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 22 Harmful if swallowed.

Safety Phrases:

S 25 Avoid contact with eyes.

WGK (Water Danger/Protection)

CAS# 120-51-4: 1

Canada

CAS# 120-51-4 is listed on Canada's DSL List.

CAS# 120-51-4 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 120-51-4 is listed on the TSCA inventory.